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Acting
Agency Secretary

California Regional Water Quality Control Board

Los Angeles Region

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful



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Captain Charles B. Conners, CO
Naval Base Ventura County
311 Main Road, Suite 1
Point Mugu, CA 93042-5033

WATER QUALITY CERTIFICATION FOR PROPOSED 11TH STREET BRIDGE DEMOLITION AND REMOVAL PROJECT (Corps' Project No. 2006-00969-MDC), CALLEGUAS CREEK, CITY OF POINT MUGU, VENTURA COUNTY (File No. 06-046)

Dear Captain Conners:

Regional Board staff has reviewed your request on behalf of Naval Base Ventura County (Applicant) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on April 24, 2006.

I hereby issue an order certifying that any discharge from the referenced project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law. This discharge is also regulated under State Water Resources Control Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges that have received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification.

The Applicant shall be liable civilly for any violations of this Certification in accordance with the California Water Code. This Certification does not eliminate the Applicant's responsibility to comply with any other applicable laws, requirements and/or permits.

Should you have questions concerning this Certification action, please contact Valerie Carrillo, Lead, Section 401 Program, at (213) 576-6759.

[Original signed by] _____
Jonathan S. Bishop
Executive Officer

June 21, 2006
Date

California Environmental Protection Agency



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

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ATTACHMENT A

Project Information File No. 06-046

1. Applicant: Naval Base Ventura County
311 Main Road, Suite 1
Point Mugu, CA 93042-5033

Phone: (805) 989-7903 Fax: (805) 989-1011
2. Applicant's Agent: Emilie N. Lang
3. Project Name: 11th Street Bridge Demolition and Removal Project
4. Project Location: Point Mugu, Ventura County
Longitude: 119° 05' 33"; Latitude: 34° 06' 37"
5. Type of Project: Bridge demolition
6. Project Description:
Purpose:
The project proposed is for the demolition of the old non-functional, water supply and return bridge located on the southeast section of Naval Air Station (NAS) Point Mugu. The work will serve two purposes. The first is to remove a damaged unusable structure over Calleguas Creek. The second is that the demolition, if performed with the use of explosives, would serve as a real time training exercise for the navy underwater construction teams. The preferred demolition action to be taken is to include the use of explosives. If the work is not to include the use of explosives, an outside contractor may be selected to perform the work.

Continuing flooding and storm action in the Calleguas Creek could potentially wash out the old bridge structure. A sudden and uncontrolled collapse of the structure could causes significant damage to the new span which lies just 26" above it. Damage might include the rupture of the new water and sewer supply and return lines, potentially causing a serious environmental hazard situation. In addition, the debris from the collapsed bridge could impede the natural flow of the creek potentially causing flooding of that portion of the base.
Description:

ATTACHMENT A

Project Information File No. 06-046

The Applicant proposes different phases during the demolition of the old bridge:

Phase 1: Upon arrival to the site, the selected team will set-up working stations, off-load material and gear, and setup for and conduct inspection dives of the existing structure for evaluation purposes.

Phase 2: Upon completion of survey dive, workers will begin removing debris from under and around the existing structure. Utilizing SSDS, SCUBA, lines, and slings.

Phase 3: There are two water flow and return lines under the structure to be removed. The pipes/lines shall be flushed with air and/or water (or by other means) to ensure that the pipes/lines are gas free and can safely be cut into smaller sections for removal. If any pipe residue remains, it will be collected and disposed of properly.

Phase 4: Section water flow and return pipes by cutting them into manageable sizes for rigging utilizing oxy/acetylene topside cutting, plasma cutting, and various other methods. After separation, the slinging and rigging will begin for removing and stockpiling pipe sections.

Phase 5: Cut out/off and remove hanging brackets that hold the water flow and return pipes from the underside of the structure and stockpile pipe sections.

Phase 6: There are six curb sections. Each curb is approximately 22-feet in length by 3-feet high and has a shape of an (L). With hydraulics and various other tools, holes will be cut into curbing, for the use of lifting eyes and slings. Due to weight restrictions, in order to safely remove the curbs, the curbs must be removed in sections (one section at a time) using rigging and cranes and stockpiled with other debris.

Phase 7: Explosives, if utilized, will consist of a low weight HE charges such as 600-grain flex linear or similar explosive charge. This would be a good method of breaking the concrete away from the reinforcement area. Bonding the charge to the underside of the panels running the full width and close to the edge of each section

ATTACHMENT A

Project Information File No. 06-046

where it rests on the caps would bring down the panels, leaving the reinforcement exposed cutting by topside personnel. The use of shape or directional charges is the preferred method during this phase due to the close proximity of the new suspension bridge and water lines 26 feet above it.

The most expedient method of demolition utilizing explosives would be to set charges below the mud line of each pile and detonate simultaneously, thus dropping the panels, caps, and piles all at once. Approximately 2-4 pounds of the explosives would be required for the destruction of each pile leg. After the structure has settled to the bottom, the process of slinging panels, caps and piles cannot begin until further demolition procedures with or without the use of explosives has been accomplished. Underwater cutting will need to be utilized in order to separate the large sections from one another before slinging to the surface and stockpiled.

Underwater cutting, rigging, and slinging will be used to recover fallen sections. When fallen sections are resting on the bottom, divers must continue to section the larger deposits of debris into smaller more manageable sizes for rigging.

Phase 8: Use of explosives. Reinforced detonation cord can be wrapped around the tops of the piles at the base of the caps or small HE charges may be placed at the attachment point of the piles and cap for breaking away concrete. Topside and/or underwater cutting must be used to cut through the reinforcement and allow for complete separation. After separation, the slinging and rigging will begin for removing and stockpiling caps.

Phase 9: (Only required if phase 7 is not used) Use of explosives. Set small HE charges at the base of each pile (mud line) to break away the concrete from the reinforcement. Underwater cutting equipment must then be used to cut through the reinforcement and allow for complete separation and removal of piles. Slinging and rigging will be used at this point to remove the piles from the water and stockpiled.

Phase 10: Once all material is stockpiled, the removal of stockpiled material will be turned over to NAS Point Mugu Public Works. All heavy equipment shall be washed inspected and returned. Project manager and environmental personnel will ensure job site is clean

ATTACHMENT A

Project Information File No. 06-046

and clear.

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| 7. Federal Agency/Permit: | U.S. Army Corps of Engineers
Permit No. 2006-00969-MDC |
| 8. Other Required Regulatory Approvals: | California Coastal Commission
Coastal Permit |
| 9. California Environmental Quality Act Compliance: | The proposed project is Categorically Exempt from CEQA pursuant to the CEQA Guidelines, Section 15301 (Existing Facilities). |
| 10. Receiving Water: | Calleguas Creek (Hydrologic Unit No. 403.11) |
| 11. Designated Beneficial Uses: | MUN*, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, RARE, WET

*Conditional beneficial use |
| 12. Impacted Waters of the United States: | Non-wetland waters (streambed): 0.13 acres (5,430 temporary square feet) |
| 13. Dredge Volume: | None |
| 14. Related Projects Implemented/to be Implemented by the Applicant: | Tide Gate Repair Project: The proposed work will be performed just several hundred feet north and upstream of the proposed bridge demolition and removal project. The estimated adverse impacts the disturbance of sediments into the Calleguas Creek and downstream into Mugu Lagoon. Similar sediment control and mitigation measures were proposed for the work as well. |
| 15. Avoidance/ | The Applicant has proposed to implement several Best |

ATTACHMENT A

Project Information File No. 06-046

Minimization Activities:

Management Practices, including, but not limited to, the following:

- The work will be done with the utmost consideration for the adjacent waters.
- Most work will be scheduled at times of low water to minimize the volume and depth of water on the work site and thereby minimize transport of sediment during the work activities.
- Silt screens will be positioned downstream of the bridge site to capture any debris and sediment that is released into the water column. The side cast debris will be contained in a barrier system, such as sandbags, to prevent the material from becoming fugitive and impacting the waters of the creek and lagoon.
- The NAVY will include monitoring by a qualified biologist prior to any demolition or explosives work to survey for presence of marine mammals and other sensitive species. No work will proceed if harbor seals or any other marine mammals or sensitive bird species are present or near enough to be affected.
- To minimize disturbance to light-footed clapper rails, demolition work will not begin until after the nesting season (Feb 15-July 31) has ended. If light-footed clapper rails are determined to be present (via call counts or nest surveys performed during the nesting season) either on the southeast or southwest side of the 11th Street Bridge, the NAVY will coordinate further with the U.S. Fish and Wildlife Service to determine whether any further measures are needed to protect the species.
- Care will be taken to minimize surrounding soil disturbance.
- A Navy engineer will be monitoring the work and the work will be scheduled during favorable, weather, tidal and seasonal conditions to minimize the potential for dispersal sediments.

16. Required Compensatory Mitigation:

The Applicant shall implement a pre- and post-construction survey for surfgrass, eelgrass and rocky habitat. Surfgrass, eelgrass or rocky habitat lost due to project impacts will be mitigated onsite at a ratio of 1:1.

The Applicant shall submit to this Regional Board **Annual**

ATTACHMENT A

Project Information File No. 06-046

Monitoring Reports documenting the success of all restoration and mitigation efforts, including, percent survival by plant species and percent cover. The reports shall include discussion of any monitoring activities and exotic plant control efforts. Representative photographs shall be included in the reports. The reports shall be submitted by **January 1st** of each year for a period of **five (5) years** after mitigation efforts begin.

It is not anticipated that the project activity will have a negative impact on waters of the United States. During the construction, all possible BMPs will be utilized in order to minimize impacts to waters. The impacts associated with this project are minimal and temporary in nature. Therefore, compensatory mitigation will not be required by the Regional Board to offset the impacts associated with this project.

See Attachment B Conditions of Certifications, Additional Conditions for modifications and additions to the above proposed compensatory mitigation.

ATTACHMENT B

Conditions of Certification File No. 06-046

STANDARD CONDITIONS

Pursuant to §3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and Article 6 (commencing with 23 CCR §3867).
2. This Certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR Subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required pursuant to 23 CCR Chapter 28 and owed by the Applicant.

ADDITIONAL CONDITIONS

Pursuant to 23 CCR §3859(a), the Applicant shall comply with the following additional conditions:

1. The Applicant shall submit to this Regional Board copies of any other final permits and agreements required for this project, including, but not limited to, the U.S. Army Corps of Engineers' (ACOE) Section 404 Permit and the California Coastal Commission Coastal Permit. **These documents shall be submitted prior to any discharge to waters of the State.**
2. The Applicant shall adhere to the most stringent conditions indicated with either this certification, the CDFG's Streambed Alteration Agreement, or the ACOE Section 404 Permit.
3. The Applicant shall comply with all water quality objectives, prohibitions, and policies set forth in the *Water Quality Control Plan, Los Angeles Region (1994)*.
4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. 15, are incorporated as additional conditions herein.

ATTACHMENT B

Conditions of Certification File No. 06-046

5. The Applicant and all contractors employed by the Applicant shall have copies of this Certification, the approved maintenance plan, and all other regulatory approvals for this project on site at all times and shall be familiar with all conditions set forth.
6. Pre-construction surveys shall be performed for *Caulerpa taxifolia* (“*Caulerpa*”) within the project area in accordance with the *Caulerpa* Control Protocol.
7. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the State. At no time shall the Applicant use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
8. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce water quality impacts.
9. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards, shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.
10. All waste and/or dredged material removed shall be relocated to a legal point of disposal if applicable. A legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. Please contact Rodney Nelson, Land Disposal Unit, at (213) 620-6119 for further information.
11. The Applicant shall implement all necessary control measures to prevent the degradation of water quality from the proposed project in order to maintain compliance with the Basin Plan. The discharge shall meet all effluent limitations and toxic and effluent standards established to comply with the applicable water quality standards and other appropriate requirements, including the provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. This Certification does not authorize the discharge by the applicant for any other activity than specifically described in the 404 Permit.
12. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species; b) promote the breeding of mosquitoes, gnats, black flies, midges, or other pests; c) alter the color, create visual contrast with the natural appearance, nor cause aesthetically undesirable discoloration of the receiving waters; d) cause formation of sludge deposits; or e) adversely affect any designated beneficial uses.

ATTACHMENT B

Conditions of Certification File No. 06-046

13. The Applicant shall allow the Regional Board and its authorized representative entry to the premises, including all mitigation sites, to inspect and undertake any activity to determine compliance with this Certification, or as otherwise authorized by the California Water Code.
14. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum **5-foot** buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Applicant shall file a **Report of Waste Discharge** to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste. Sufficient time should be allowed to obtain any such permits (generally 180 days). If groundwater is encountered without the benefit of appropriate permits, the Applicant shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.
15. The Applicant shall restore all areas of TEMPORARY IMPACTS to waters of the United States and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the State. All project areas shall be restored to pre-project conditions. The Applicant shall implement all necessary Best Management Practices to control erosion and turbidity impacts from areas associated with this project.
16. The Applicant shall submit to this Regional Board **Annual Monitoring Reports** documenting project activities and the success of all restoration and mitigation efforts, including, percent survival by plant species and percent cover. The reports shall include discussion of any monitoring activities and exotic plant control efforts. Representative photographs shall be included in the reports. The reports shall be submitted by **January 1st** of each year for a period of **five (5) years** after project completion. This report shall include as a minimum, the following documentation:
 - (a) Color photo documentation of the pre- and post-project and mitigation site conditions;
 - (b) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project and mitigation areas;
 - (c) The overall status of project including a detailed schedule of work;
 - (d) Copies of all permits revised as required in Additional Condition 1;
 - (e) Water quality monitoring results (as required) compiled in an easy to interpret format;
 - (f) A certified Statement of “no net loss” of wetlands associated with this project;

Conditions of Certification
File No. 06-046

- 4 of 6

ATTACHMENT B

Conditions of Certification File No. 06-046

21. The project shall comply with the local regulations associated with the Regional Board's **Municipal Stormwater Permit** issued to Ventura County and co-permittees under NPDES No. CAS004002 and Waste Discharge Requirements Order No. 00-108. This includes the Stormwater Quality Urban Impact Mitigation Plan (SQUIMP) and all related implementing local ordinances and regulations for the control of stormwater pollution from new development and redevelopment.
22. Coverage under this Certification may be transferred to the extent the underlying federal permit may legally be transferred and further provided that the Applicant notifies the Executive Officer at least 30 days before the proposed transfer date, and the notice includes a written agreement between the existing and new Applicants containing a specific date of coverage, responsibility for compliance with this Certification, and liability between them.
23. The Applicant or their agents shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
24. *Enforcement:*
 - (a) In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
 - (b) In response to a suspected violation of any condition of this Certification, the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Board (RWQCB) may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including costs, of the reports shall be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

ATTACHMENT B

Conditions of Certification File No. 06-046

- (c) In response to any violation of the conditions of this Certification, the SWRCB or RWQCB may add to or modify the conditions of this Certification as appropriate to ensure compliance.
25. This Certification shall expire **five (5) years** from date of this Certification. The Applicant shall submit a complete application prior to termination of this Certification if renewal is requested.